

## *The SSDF rating list, 2019-07*

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# The SSDF Chess Engine Rating List, 2019-07

Lars Sandin and Guy Haworth<sup>1</sup>

*Chairman, Svenska schackdatorföreningen; Reading, England*

#	Name	Rating	+	-	Games	Win %	Against	Notes
01	Stockfish 10 x64 1800X 3.6 GHz	3529	33	/ 31	577	72%	3365	NE; A, Tord Romstad, Marco Costalba & Joona Kiiski; 3500+ !
02	Stockfish 9 x64 1800X 3.6 GHz	3493	30	/ 28	722	73%	3315	18-22 v #01, 21½-18½ v #04, 23½-16½ v #05, 21½-18½ v #07
03	Komodo 13.02 x64 1800X 3.6 GHz	3482	52	/ 48	200	61%	3402	NE; A, Mark Lefler and GM Larry Kaufman; O'bk, E. Günes
04	Komodo 12.3 x64 1800X 3.6 GHz	3454	28	/ 26	720	67%	3328	O'bk, Erdogan Günes; 15½-24½ v #01, 20-20 v #05
05	Stockfish 9 x64 Q6600 2.4 GHz	3445	34	/ 33	431	57%	3399	NE; 14-26 v #01, 17½-22½ v #03, 20-20 v #06, 16-15 v #08
06	Komodo 12.3 x64 Q6600 2.4 GHz	3443	43	/ 41	280	59%	3382	NE; 15½-24½ v #01, 17½-22½ v #03, 20½-19½ v #08
07	Stockfish 8 x64 1800X 3.6 GHz	3432	26	/ 24	1100	77%	3217	17½-22½ v #04, 21-19 v #10, 23½-16½ v #12, 26-14 v #13
08	Komodo 13.02 MCTS x64 1800X 3.6 GHz	3424	51	/ 48	205	62%	3334	NE, MCTS version; O'bk, E. Günes; 8-9 v #01, 20½-14½ v #12
09	Stockfish 8 x64 Q6600 2.4 GHz	3413	35	/ 33	480	69%	3274	½5 ELO; 13½-26½ v #01, 13½-26½ v #02, 20-20 v #04
10	Komodo 11.01 x64 1800X 3.6 GHz	3394	22	/ 21	1214	71%	3240	11½-28½ v #01, 15-25 v #02, 18-22 v #04, 18½-21½ v #05
11	Deep Shredder 13 x64 1800X 3.6 GHz	3358	25	/ 24	840	65%	3246	A, Stefan Meyer-Kahlen; 13-27 v #02, 12-28 v #04
12	Booot 6.3.1 x64 1800X 3.6 GHz	3357	24	/ 24	795	52%	3341	A, Alex Morozov; ½5 ELO; 10-30 v #01, 12-28 v #02
13	Komodo 9.1 x64 Q6600 2.4 GHz	3339	20	/ 19	1475	72%	3177	8-34 v #02, 13-27 v #04, 14-26 v #07, 11½-28½ v #09
14	Komodo 11.01 x64 Q6600 2.4 GHz	3333	30	/ 30	524	52%	3316	9½-30½ v #01, 11½-28½ v #02, 23½-56½ v #04
15	Stockfish 6 x64 Q6600 2.4 GHz	3327	21	/ 20	1256	69%	3191	7-33 v #02, 14½-25½ v #07, 11½-28½ v #09, 15½-24½ v #10
16	Deep Shredder 13 x64 Q6600 2.4 GHz	3296	24	/ 23	884	64%	3193	13-27 v #07, 10-30 v #10, 16½-23½ v #11, 15½-24½ v #13
17	Booot 6.3.1 x64 Q6600 2.4 GHz	3288	36	/ 34	400	60%	3219	½8 ELO; 8-32 v #01, 9-31 v #04, 10½-29½ v #05
18	Arasan 21.2 x64 1800X 3.6 GHz	3280	31	/ 32	480	42%	3333	A, Jon Dart; ½11 ELO; 5-35 v #01, 9½-30½ v #04
19	Komodo 7 x64 Q6600 2.4 GHz	3270	23	/ 23	974	65%	3160	7½-32½ v #02, 11½-28½ v #07, 10½-29½ v #10, 14-26 v #11
20	Arasan 21.2 x64 Q6600 2.4 GHz	3250	55	/ 58	152	43%	3290	NE; 4-36 v #01, 7-33 v #05, 20½-11½ v #30
21	Komodo 5.1 x64 Q6600 2.4 GHz	3245	22	/ 22	1038	64%	3145	13½-26½ v #07, 22½-61½ v #13, 11½-28½ v #15, 20-22 v #16
22	Wasp 3.5 x64 1800X 3.6 GHz	3235	32	/ 34	480	34%	3351	NE; A, John Stanback; 5-35 v #01, 5-35 v #02, 7-33 v #03
23	Deep Hiarcs 14 1800X 3.6 GHz	3217	26	/ 27	680	41%	3279	A, Mark Uniacke; 7-33 v #02, 5½-34½ v #04, 8½-31½ v #07
24	Wasp 3 x64 1800X 3.6 GHz	3213	24	/ 25	802	40%	3285	½5 ELO; 5-35 v #01, 6½-33½ v #02, 9½-30½ v #04
25	Stockfish 3 x64 Q6600 2.4 GHz	3203	19	/ 18	1420	61%	3127	4½-35½ v #07, 15½-34½ v #10, 6½-33½ v #11, 27½-56½ v #13
26	Deep Rybka 4 x64 Q6600 2.4 GHz	3199	20	/ 19	1328	65%	3091	A, IM Vasil Rajlich; 5½-34½ v #06, 9½-30½ v #10, 8-32 v #13
27	Deep Rybka 3 x64 Q6600 2.4 GHz	3194	22	/ 21	1371	75%	3003	15½-24½ v #21, 21-19 v #25, 18-22 v #26, 22½-19½ v #28
28	Deep Hiarcs 14 Q6600 2.4 GHz	3188	19	/ 18	1450	61%	3112	9½-30½ v #10, 9-31 v #11, 12-28 v #13, 13½-26½ v #14
29	Chiron 3.01 x64 Q6600 2.4 GHz	3180	27	/ 27	656	45%	3215	A, Ubaldo Andrea Farina; 7-33 v #07, 7-33 v #10
30	Wasp 3.5 x64 Q6600 2.4 GHz	3174	64	/ 68	112	43%	3226	NE; 10½-29½ v #15, 11½-20½ v #20
31	Wasp 2.01 x64 1800X 3.6 GHz	3156	24	/ 26	846	33%	3280	5-35 v #02, 5-35 v #04, 12-68 v #07, 7½-32½ v #08
32	Naum 4.2 x64 Q6600 2.4 GHz	3147	21	/ 21	1123	60%	3078	A, Alexander Naumov; 13½-26½ v #16, 7½-34½ v #19
33	Deep Junior Yokohama x64 Q6600 2.4 GHz	3126	22	/ 22	1010	42%	3184	A, Amir Ban & Shay Bushinsky; 6½-73½ v #07, 6-34 v #09
34	Hiarcs 14 Athlon 1.2 GHz	3100	29	/ 29	560	55%	3065	5½-34½ v #09, 7-33 v #13, 9½-30½ v #15, 7-33 v #17
35	Deep Fritz 13 Q6600 2.4 GHz	3097	24	/ 24	826	55%	3064	A, Frans Morsch; 9-31 v #19, 13½-26½ v #21, 15½-24½ v #25
36	The Baron 3.43 x64 1800X 3.6 GHz	3088	30	/ 33	600	27%	3263	A, Richard Pijl; ½7 ELO; 2½-37½ v #02, 3½-36½ v #04
37	Wasp 2.01 x64 Q6600 2.4 GHz	3065	40	/ 46	404	20%	3301	3½-38½ v #07, 7½-72½ v #10, 4½-35½ v #11, 8-32 v #14
38	Arasan 17.2 x64 Q6600 2.4 GHz	3001	26	/ 26	686	46%	3029	5½-34½ v #25, 12½-29½ v #33
39	Revelation 2 Hiarcs 14.1 PXA320 800 MHz	2924	47	/ 46	220	55%	2889	7-13 v Deep Junior 12 Q6600, 7-13 v Glaurung Q6600
40	Chessmaster King 3.5 x64 Q6600 2.4 GHz	2860	24	/ 25	932	30%	3009	A, Johan de Koning; 5-37 v #32, 8-32 v Deep Junior 13.3 Q6600
41	Revelation Hiarcs 13.3 PXA255 500 MHz	2772	57	/ 52	177	66%	2661	A, Ruud Martin and Mark Uniacke; 6½-13½ v Zap!Zan A1200
42	Revelation Shredder 12 PXA255 500 MHz	2703	60	/ 58	140	56%	2663	A, Ruud Martin and Stefan Meyer-Kahlen; 8-12 v PF4 Hiarcs 13
43	Revelation Rybka 2.2 PXA255 500 MHz	2628	47	/ 44	240	62%	2545	A, Ruud Martin and IM V. Rajlich; 9½-10½ v Hiarcs 9 A1200
44	Revelation Deep Sjeng 3 PXA255 500 MHz	2599	68	/ 76	100	37%	2691	A, Gian-Carlo Pascutto [q.v. LC0]; 4½-15½ v PF4 Naum 4.2
45	ChessGenius 3 ZTE Apex3 ARM A53 1.3 GHz	2457	75	/ 68	100	62%	2376	A, Richard Lang; 6-14 v PF4 Crafty 23, 12½-7½ v #46
46	Revelation Ruffian 2.1 PXA255 500 MHz	2352	68	/ 71	100	45%	2391	A, Per-Ola Valfridsson; 2-18 v Pocket Fritz 3H
47	TASC R30 v2.5 ARM 6 30 MHz	2274	42	/ 38	343	69%	2137	A, Johan de Koning; 8½-12½ v Genius 4 P90
48	Millenium ChessGenius Pro M4 120 MHz	2175	67	/ 59	140	68%	2045	A, Richard Lang; 15½-4½ v 'Nigel Short'
49	Millenium ChessGenius ARM M4 48 MHz	2079	51	/ 47	211	63%	1987	A, Richard Lang; 12-8 v 'Nigel Short'
50	Mephisto London 68000 12 MHz	2012	62	/ 61	128	52%	1996	NE; A, Richard Lang; ½23 ELO; 13-7 v 'Nigel Short'

Fig. 1. The recently tested 'Selected 50' from SSDF rating list '2019-07' of 2019-07-08, q.v., <https://ssdf.bosjo.net>.<sup>2, 3, 4</sup>

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<sup>2</sup> 'Games' = the number of games, played at '40m/2hr + 20m/1hr', on which the rating is based. 'Against' = the average rating of opponents. The '+' and '-' denote upper/lower 95%-confidence intervals. 'A' = author(s), 'NE' = new entrant.

<sup>3</sup> Latest platform: AMD Ryzen 7 1800X, 8-core @ 3.6GHz, 16GB RAM, SSD, 6-man Syzygy EGTs.

<sup>4</sup> The full SSDF long list with some match detail is available at <http://centaur.reading.ac.uk/85331/>.